

# CHRISTOPHER SIMPSON

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**Coding Skills** Java, Python, JavaScript, HTML, CSS, SQL, AWS, Kafka.js, Amazon S3, Spring, Express.js, Node.js, React.js, Redux, Sequelize, Docker, Flask, SQLAlchemy, PostgreSQL, GIT, Restful APIs, OOP, Agile Development

## Experience

**TeamWyrk, Software Engineering Intern** Charlotte, NC (Remote)

Oct 2023 - present

- Utilized agile methodologies and scrum ceremonies to coordinate development teams using Jira tickets and Figma boards.
- Executed training with implementing design MVP goals with HTML, CSS, JavaScript, React, Firebase,
- Updated onboarding features and email notifications with Firebase services to double mentor acquisition.
- Implemented new CSS to expand the accessibility on many devices such as iOS and Android mobiles and tablets.
- Improved site visibility by 75% through the use of SEO planning and coding tag elements.

**Grade Potential Tutoring, Collegiate Level Tutor** San Francisco, CA (Remote)

Oct 2019 - present

- Demonstrated a track record of helping students achieve higher grades, academic awards, and a deeper appreciation for subject matter such as algebra, trigonometry, calculus, biology, chemistry, and programming.
- Adjusted teaching methods to accommodate diverse learning styles and academic backgrounds, ensuring the success of a wide range of students.
- Instructed students in effective time management techniques to balance their academic workload and improve productivity.

**Denali Performance LLC, Art Director** York, SC

Jan 2021 – Sep 2021

- Managed and led a team of 10 employees to produce art layouts based on customer visions and ideas to meet fulfillment and shipping deadlines ranging from 2 to 14 days.
- Managed profitable product lifecycle by applying customer feedback, prioritizing the most critical issues, and shipping creative solutions accordingly to facilitate demand.
- Analyzed customer usage data for \$2M of products in collaboration with Sales team
- Wrote sales documentation for products such as chillBRO®, WIKZ® & ZYPTRON® in national markets.
- Maintained IT operating systems (mobile and desktop devices) including installation, configuration, and diagnostic troubleshooting of networking issues.

## Projects

**Wizlet** (Python, Flask, SQLAlchemy, PostgreSQL, JavaScript, React, Redux)

[Live Site](#)[Github](#)

*Learning website based on public and private folders of user-created sets with question flashcards.*

- Constructed RESTful APIs with Flask blueprints and Python decorators, which enable smooth communication between front-end and back-end systems and facilitate third-party integration.
- Applied SQLAlchemy's relationship and foreign-key features to normalize and maintain strong relationships between database tables, enabling precise data access from PostgreSQL.
- Implemented Global-State-Management in React with Redux to ensure smooth and consistent data flow across components to update and track the most recently uploaded public Folders and Sets.
- Designed a responsive user interface using HTML, CSS media queries, and Flexbox, ensuring an optimal user experience across various devices and screen sizes.

**Webear** (Python, Flask, SQLAlchemy, PostgreSQL, React, Redux, Chart JS)

[Live Site](#)[Github](#)

*Stock Trading Simulation with live updating portfolio stocks and simulated charts.*

- Instituted efficient database schemas with a normalized Redux Store object tree for optimized data access speeds.
- Eliminated redundancy and improved data integrity by using the useSelector hook to access specific slices of state, ensuring proper querying and maintaining accurate records with SQLAlchemy.
- Collaborated with a team of three software developers in daily scrums and implemented agile methodology and a custom GitHub branching policy to ensure the feasibility and optimal integration of the application user experience within the group infrastructure.
- Added Chart JS library to simulate stock portfolio charts from user-only accessed data in the dashboard when logged in and to simulate a chart for each stock's details

## Education

**App Academy** (Immersive FullStack Developer Course), San Francisco, CA

2023

**Winthrop University** (Bachelor of Arts (BA) in Educational Development), Rock Hill, SC

2021